U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

	PAT	ENT APPLI		N FEE DETE	N REC	ORD		Application or Docket Number 10/013,087				
APPLICATION AS FILED PART I (Column 1) (Column 2)						;	SMALL ENTITY			OTHER THAN SMALL ENTITY		
	FOR	NUMB	NUMBER FILED		NUMBER EXTRA		TE (\$)	FEE (\$)	1	RATE (\$)	FEE (\$)	
	SIC FEE CFR 1.16(a), (b), or	(c))	N/A		N/A		V/A			N/A		
SEA	ARCH FEE CFR 1.16(k), (i), or (N/A		N/A		V/A		1	N/A		
EXA	AMINATION FEE CFR 1.16(o), (p), or		N/A		N/A		V/A		1	N/A		
	TAL CLAIMS CFR 1.16(i))		minus 2	D = *		х	=		OR	х =		
	EPENDENT CLA	IMS	minus 3	. = +		х	=		1	X =		
FEE	PLICATION SIZE E CFR 1.16(s))	sheets of is \$250 (additional	the specification and drawings exceed 100 neets of paper, the application size fee due \$250 (\$125 for small entity) for each dditional 50 sheets or fraction thereof. See 5 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).									
MUI	TIPLE DEPEND	ENT CLAIM PRES	SENT (37 C	CFR 1.16(j))			N/A			N/A		
* If t	* If the difference in column 1 is less than zero, enter "0" in column 2.									TOTAL		
	APPL	ICATION AS	AMEND	ED – PART II								
	(Column 1) (Column 2) (Column 3)						SMALL ENTITY			OR OTHER THAN SMALL ENTITY		
n F		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RA	TE (\$)	ADDI- TIONAL FEE (\$)		RATE (\$)	ADDI- TIONAL FEE (\$)	
ME	Total (37 CFR 1.16(i))	*11	Minus	^{**} 20	= 0	х	=		OR	x 50 =	0	
MENDMENT	Independent (37 CFR 1.16(h))	[*] 3	Minus	***3	⁼ 0	х	=		OR	x 200 =	0	
\	Application Siz	e Fee (37 CFR 1.1										
⋖	FIRST PRESENT	R 1.16(j))	ĺ,	N/A		OR	N/A	ĺ				
	_					TOT/ ADD	\L L FEE		OR	TOTAL ADD'L FEE	0	
		(Column 1)		(Column 2)	(Column 3)							
ENT F	_	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RA	TE (\$)	ADDI- TIONAL FEE (\$)		RATE (\$)	ADDI- TIONAL FEE (\$)	
¥	Total (37 CFR 1.16(i))	10	Minus	^{**} 20	⁼ 0	х	=		OR	× 50 =	0	
AMENDM	Independent (37 CFR 1.16(h))	· 4	Minus	*** 3	⁼ 1	х	=		OR	x 200 =	200	
Ĭ	Application Size Fee (37 CFR 1.16(s))							_				
Ľ	FIRST PRESENT	ATION OF MULTIPL		√A		OR	N/A					
						TOT/ ADD	AL L FEE		OR	TOTAL ADD'L FEE	200	
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3. ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".												

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the

USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

^{***} If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

	PAT	ENT	APPLIC		N FEE DET	ON	RECORD		Application or Docket Number 10/013,087			
APPLICATION AS FILED – PART I (Column 1) (Column 2)								SMALL	ENTITY	OR	OTHER THAN SMALL ENTITY	
FOR NUMBE				ER FILED	D NUMBER EXTRA			RATE (\$) FEE (\$)			RATE (\$)	FEE (\$)
BASIC FEE (37 CFR 1.16(a), (b), or (c))			l	N/A		N/A		N/A		1	N/A	
SEARCH FEE (37 CFR 1.16(k), (i), or (m))			1	N/A		N/A		N/A		1	N/A	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))			(N/A		N/A		N/A			N/A	
TOTAL CLAIMS (37 CFR 1.16(i))				minus 2	0 = *			х =		OR	x =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))				minus 3) = *			x =			x =	
APF FEE	PLICATION SIZE		If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).									
мυι	TIPLE DEPEND	ENT C	LAIM PRES	ENT (37 (CFR 1.16(j))			N/A			N/A	
* If t	he difference in o	olumn	1 is less tha	ın zero, er	iter "0" in columr	2.		TOTAL			TOTAL	
	APPI	_ICAT	TON AS A	AMEND	ED – PART I	1						
(Column 1) (Column 2) (Column 3)							SMALL	ENTITY	OR OTHER THAN SMALL ENTITY			
пс		RE	CLAIMS MAINING AFTER ENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE (\$)	ADDI- TIONAL FEE (\$)		RATE (\$)	ADDI- TIONAL FEE (\$)
<u>\(\frac{1}{2} \) </u>	Total (37 CFR 1.16(i))	[*] 11		Minus	**20	= 0	1	x =		OR	x 18 =	0
AMENDMENT	Independent (37 CFR 1.16(h))	* 3		Minus	***3	= 0	1	x =		OR	x 84 =	0
🖁	Application Siz	e Fee ((37 CFR 1.1	6(s))		1]					
^	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							N/A		OR	N/A	
								TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	0
		(Co	lumn 1)		(Column 2)	(Column 3)	_			_		
AMENDMENT D		REI A AME	LAIMS MAINING AFTER INDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE (\$)	ADDI- TIONAL FEE (\$)		RATE (\$)	ADDI- TIONAL FEE (\$)
	Total (37 CFR 1.16(i))	110	0	Minus	^{**} 20	⁼0		x =		OR	x 18 =	0
Q.	Independent (37 CFR 1.16(h))	* 1		Minus	***3	⁼ 0		x =		OR	x 86 =	0
∖ME	Application Size Fee (37 CFR 1.16(s))						1			1		
/	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							N/A		OR	N/A	
								TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	0
 If the entry in column 1 is less than the entry in column 2, write "0" in column 3. If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20". If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3". The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1. 												

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Application or Docket Number PATENT APPLICATION FEE DETERMINATION RECORD 10/013,087 Substitute for Form PTO-875 APPLICATION AS FILED - PART I OTHER THAN OR SMALL ENTITY SMALL ENTITY (Column 1) (Column 2) NUMBER FILED NUMBER EXTRA FOR RATE (\$) FEE (\$) RATE (\$) FEE (\$) BASIC FEE 740 N/A N/A N/A N/A (37 CFR 1.16(a), (b), or (c)) SEARCH FEE N/A N/A N/A N/A (37 CFR 1.16(k), (i), or (m)) EXAMINATION FEE N/A N/A N/A N/A (37 CFR 1.16(o), (p), or (q)) TOTAL CLAIMS 18 11 ٠0 0 Х minus 20 = OR (37 CFR 1.16(i)) INDEPENDENT CLAIMS 2 · 0 \times 84 0 = minus 3 = Х = (37 CFR 1.16(h)) If the specification and drawings exceed 100 sheets of paper, the application size fee due APPLICATION SIZE is \$250 (\$125 for small entity) for each (37 CFR 1.16(s)) additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s). MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j)) N/A N/A 740 * If the difference in column 1 is less than zero, enter "0" in column 2. TOTAL TOTAL APPLICATION AS AMENDED - PART II OTHER THAN OR (Column 3) (Column 2) SMALL ENTITY (Column 1) SMALL ENTITY CLAIMS HIGHEST PRESENT REMAINING NUMBER RATE (\$) ADDI-RATE (\$) ADDI-PREVIOUSLY **EXTRA** TIONAL AFTFR TIONAL ENT FEE (\$) AMENDMENT PAID FOR FEE (\$) Total (37 CFR 1.16(i)) Minus ⁼ 0 11 20 18 0 Х MENDM = OR Independent (37 CFR 1.16(h)) Minus ʹ3 = 0 0 2 84 Х OR Application Size Fee (37 CFR 1.16(s)) FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j)) ΩR N/A N/A TOTAL TOTAL 0 OR ADD'L FEE ADD'L FEE (Column 1) (Column 2) (Column 3) CLAIMS HIGHEST PRESENT REMAINING NUMBER RATE (\$) ADDI-RATE (\$) ADDI- $\mathbf{\omega}$ **PREVIOUSLY EXTRA** TIONAL TIONAL AFTER ENDMENT AMENDMENT PAID FOR FEE (\$) FEE (\$) Minus Total $_{\rm x}$ 18 9 20 **-**0 0 (37 CFR 1.16(i)) х OR = Independent (37 CFR 1.16(h)) Minus 3 = N 0 \times 84 Х OR Application Size Fee (37 CFR 1.16(s)) FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j)) N/A OR N/A TOTAL TOTAL OR ADD'L FEE ADD'L FEE

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

^{*} If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

^{**} If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

^{***} If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".